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CONSOLIDATED SHUTTLE DATA STREAM (CSDS) GATEWAY - Lisa Valencia

OVERVIEW

This system provides expandable Consolidated Shuttle Data Stream (SDS) that integrates current SDS Data with data from other data sources including the Fuel Cell Measurement System (FCMS) and LC-39 Pad Meteorological (Metro) System. The new SDS is referred to as SDS Prime (SDS') and is PC-Goal Compatible. The Gateway also re-transmits raw Metro data to the CLCS Consolidated Systems Gateways via Ethernet. The CSDS system was certified for the Redstone Delivery.
The Thor delivery will complete the release of the Consolidated Shuttle Data Stream Gateway. The Gateway will be upgraded to be compatible with other CLCS Gateway hardware and software. Thor capabilities include transition to Power PC platform, incorporation of Gateway Common Services, GMS data processing and retransmission, and implementation of GUI interface for command and control.

ACTIONS	ACTIONEE	DUE DATE	STATUS

- No Actions required

*Approved

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SYSTEM SERVICES CSCI - Bob McMahon

OVERVIEW

Applications can use the CORBA services transparently. This means that any function or method within a program maybe called as normal. The implementation for that function may or may not reside within the same process, machine, or network; however, this is hidden from the client program. Calls can be blocking or non-blocking. Arguments used within the function calls are marshaled and unmarshaled transparently. The arguments are also independent of machine size and byte ordering since all CORBA interfaces are specified with CORBA types, which map to normal C++ types.
All CORBA objects within the system may register with the naming service. Applications can then bind to a specific object using its name. This mechanism allows clients to connect to servers without any knowledge of their location . CORBA objects not within the directory can still be accessed if the caller uses an object reference. Details of implementing the call are handled automatically.

ACTIONS	ACTIONEE	DUE DATE	STATUS
No Actions required			

*Approved

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SYSTEM STATUS VIEWER - George Welch

OVERVIEW

The Control Navigation System (CNS) provides the Checkout and Launch Control System (CLCS) with a method for accessing all System Viewers, top level Gateway Status, user classes, HCI Manager Program (HMP), Command Processor (CPRO), Command Scripter, and Virtual Function (Safing) in a real-time operation environment. The CNS will also display any universal data common to all CLCS test sets.

ACTIONS	ACTIONEE	DUE DATE	STATUS
No Action required			
*Approved			

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OPERATIONS CONFIGURATION MANAGER (OPS CM) CSC - Bruce Greenwood

OVERVIEW

The Operations Configuration Manager (OPS CM) CSC provides the capability to load and configure DDPs, CCPs, Gateways, and CCWSs in order to support CLCS operations. This configuration includes downloading SCID and TCID software baselines and initializing this software. OPS CM also supports the creation and management of activities within the CLCS.
OPS CM can be viewed as having the following functional data flow. A Repository Manager checks SCID and TCID Builds into the OPS CM Repository on the Auspex server. These build baselines are distributed to the local OPS CM Set Repositories in the SDE, IDE, or other environments using the repository management tools on the local cm-servers. A user at the Master CCWS handles activity management, subsystem loading and subsystem initialization / termination for the DDPs, CCPs, Gateways and other CCWS s.

ACTIONS	ACTIONEE	DUE DATE	STATUS

*Approved